

Coated moulded rubber prod. e.g. wiper blade - coated with mixt. of fluoro-polymer and copper zinc, carbon, glass, molybdenum disulphide and/or boron nitride by HF sputtering

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The surface is coated partly or totally with a mixt. of (A) F-contg. resin and (B) at least one of Cu, Zn, C, glass, MoS₂ or BN by hf sputtering to form a composite film. (A) is pref. PTFE and blended in an amount of 30-99 wt.% in the mixt.. The hf sputtering is pref. performed by placing moulded rubber prod. on the lower electrode in a reactor equipped with upper electrode, evacuating the reactor by a vacuum pump to 10 power-5 Torr, feeding Ar gas through a variable leak valve to a press. of 5 x 10 power-3 Torr and hf discharging to coat the rubber prod. with the composite film.

ADVANTAGE - The coated rubber prod. has reduced kinetic friction coefft. and reduced tackiness. It is useful as wiper blade, oil seals etc..